

CLASSIFICATION: 09 64 33 Laminated Wood Flooring

created via: HPDC Online Builder

PRODUCT DESCRIPTION: 1/2" prefinished engineered wood flooring. 2mm thick hardwood wear layer (European Oak, Walnut or Hickory) on a 10mm thick Baltic Birch plywood platform. UV oil finish. Wear layer glued to plywood with EPI adhesive. Plywood veneers glued together with phenol-formaldehyde adhesive.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

Residuals/Impurities Considered in 5 of 6 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

Characterized

Percent Weight and Role Provided?

- Yes
- No

Screened

Using Priority Hazard Lists with Results Disclosed?

- Yes
- No

Identified

Name and Identifier Provided?

- Yes
- No

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

PLYWOOD PLATFORM - BALTIC BIRCH [BIRCH UNK] HARDWOOD WEAR LAYER - EUROPEAN OAK, HICKORY OR WALNUT [EUROPEAN OAK, HICKORY OR WALNUT UNK] UV OIL FINISH, BASE COAT AND TOP COAT [ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE LT-UNK] GLYCEROL PROPOXYLATE TRIACRYLATE [LT-UNK] BENZOPHENONE [LT-1] CAN | END NEOPENTYL GLYCOL DIACRYLATE [LT-UNK] MAM | EYE | SKI TRIMETHYLOLPROPANE TRIACRYLATE [LT-UNK] EYE | SKI | RES] EPI GLUE [WATER BM-4 CALCIUM CARBONATE BM-3 STYRENE BUTADIENE RUBBER (SBR) [LT-UNK] POLY(VINYL ALCOHOL) [LT-UNK] HARDENER FOR EPI GLUE [POLYMERIC MDI (PMDI) [LT-UNK] RES | MUL | CAN] PHENOLFORMALDEHYDE GLUE [PHENOL FORMALDEHYDE [LT-P1] RES SODIUM HYDROXIDE [LT-P1] SKI | PHY]

Number of Greenscreen BM-4/BM3 contents..... 2
Contents highest concern GreenScreen
Benchmark or List translator Score..... LT-1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

Any hazards associated with the chemicals used in the manufacture of this wood flooring's finish are only present when the finish is in a wet state (i.e. when it is being applied at the factory). Through the UV curing process, the chemicals are altered and become inert such that there is no exposure to the user. Any formaldehyde used in this wood flooring's adhesive system emits at extremely low levels and meets the stringent limits set by EPA/CARB.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: FloorScore
Sustainable forestry: Forest Stewardship Council

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-05-25
PUBLISHED DATE: 2017-08-25
EXPIRY DATE: 2020-05-25

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

PLYWOOD PLATFORM - BALTIC BIRCH

#: 81.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Natural wood - no residuals and impurities.

OTHER MATERIAL NOTES: This is the plywood platform for the engineered flooring, i.e. the substrate that the wear layer is glued to.

BIRCH

ID: Not registered

#: 100.0000

GS: UNK

RC: None

NANO: No

ROLE: Platform

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

HARDWOOD WEAR LAYER - EUROPEAN OAK, HICKORY OR WALNUT

#: 14.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Natural wood - no residuals and impurities.

OTHER MATERIAL NOTES: This is the natural wood -- one of three species -- used in the wear layer (the top, visible layer) of the engineered wood flooring.

EUROPEAN OAK, HICKORY OR WALNUT

ID: Not registered

#: 100.0000

GS: UNK

RC: None

NANO: No

ROLE: Wear layer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UV OIL FINISH, BASE COAT AND TOP COAT

#: 2.0000 - 5.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No known residuals and impurities.

OTHER MATERIAL NOTES: Substances are the chemical components of the base and top coats used in the flooring's UV-cured factory finish. The hazards associated with all of the chemicals used in the manufacture of this finish are only present when the finish is in a wet state (i.e. when it is being applied at the factory). Through the UV curing process, the chemicals are altered and become inert such that there is no exposure to the user.

ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE

ID: 28961-43-5

#: 60.0000 - 80.0000 GS: LT-UNK RC: None NANO: No ROLE: Finish

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

GLYCEROL PROPOXYLATE TRIACRYLATE

ID: 52408-84-1

#: 1.0000 - 5.0000 GS: LT-UNK RC: None NANO: No ROLE: Finish

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BENZOPHENONE

ID: 119-61-9

#: 1.0000 - 5.0000 GS: LT-1 RC: None NANO: No ROLE: Finish

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

ENDOCRINE

ChemSec - SIN List

Endocrine Disruption

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES:

NEOPENTYL GLYCOL DIACRYLATE

ID: 2223-82-7

#: 0.0100 - 0.9000 GS: LT-UNK RC: None NANO: No ROLE: Finish

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R24 - Toxic in Contact with Skin

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES:

TRIMETHYLOLPROPANE TRIACRYLATE

ID: 15625-89-5

#: **0.0100 - 0.9000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Finish**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
EYE IRRITATION	EU - R-phrases R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases R43 - May cause sensitization by skin contact
RESPIRATORY	AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced
SKIN IRRITATION	EU - GHS (H-Statements) H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements) H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements) H319 - Causes serious eye irritation
SKIN SENSITIZE	MAK Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

EPI GLUE

#: 1.0000 - 2.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No known residuals and impurities.

OTHER MATERIAL NOTES: Emulsion Polymer Isocyanate (EPI) glue used to bind the wear layer to the plywood platform.

WATER

ID: 7732-18-5

#: **30.0000 - 70.0000** GS: **BM-4** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CALCIUM CARBONATE

ID: 471-34-1

#: 15.0000 - 30.0000 GS: **BM-3** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS: None Found AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists

SUBSTANCE NOTES:

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

#: 10.0000 - 30.0000 GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS: None Found AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLY(VINYL ALCOHOL)

ID: 9002-89-5

#: 3.0000 - 10.0000 GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS: None Found AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists

SUBSTANCE NOTES:

HARDENER FOR EPI GLUE

#: 1.0000 - 2.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No known residuals and impurities.

OTHER MATERIAL NOTES:

POLYMERIC MDI (PMDI)

ID: 9016-87-9

#: 100.0000 GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS: RESPIRATORY AEOC - Asthmagens Asthmagen (G) - generally accepted
RESTRICTED LIST US EPA - PPT Chemical Action Plans EPA Chemical of Concern - Action Plan published
RESPIRATORY US EPA - PPT Chemical Action Plans Inhalation sensitizer causing asthma and lung damage

CANCER MAK Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

RESPIRATORY MAK Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES:

PHENOLFORMALDEHYDE GLUE

%: 1.0000 - 2.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No known residuals and impurities.

OTHER MATERIAL NOTES: Adhesive used to laminate wood veneers into plywood

PHENOL FORMALDEHYDE

ID: 9003-35-4

%: 90.0000 - 97.5000 GS: LT-P1 RC: None NANO: No ROLE: Binder

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

SODIUM HYDROXIDE

ID: 1310-73-2

%: 2.5000 - 10.0000 GS: LT-P1 RC: None NANO: No ROLE: Binder

HAZARDS: AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION EU - R-phrases R35 - Causes severe burns

SKIN IRRITATION EU - GHS (H-Statements) H314 - Causes severe skin burns and eye damage

PHYSICAL HAZARD (REACTIVE) Korea - GHS H290: May be corrosive to metals

SUBSTANCE NOTES:

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS

FloorScore

CERTIFYING PARTY: **Third Party**
APPLICABLE FACILITIES: **Manufacturing facilities**
CERTIFICATE URL:

ISSUE DATE: **2016-12-28** EXPIRY DATE:

CERTIFIER OR LAB: **Scientific Certification Systems**

CERTIFICATION AND COMPLIANCE NOTES:

SUSTAINABLE FORESTRY

Forest Stewardship Council

CERTIFYING PARTY: **Third Party**
APPLICABLE FACILITIES: **All distribution facilities**
CERTIFICATE URL:

ISSUE DATE: **2016-06-30** EXPIRY DATE: **2021-06-29**

CERTIFIER OR LAB: **GFA**

CERTIFICATION AND COMPLIANCE NOTES:

+ Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

📄 Section 5: General Notes

👁️ Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Galleher**
ADDRESS: **9303 Greenleaf Ave.**
Santa Fe Springs CA 90670, United States
WEBSITE: **www.monarchplank.com**

CONTACT NAME: **Jason Grant**
TITLE: **Environmental Compliance Manager**
PHONE: **7075365983**
EMAIL: **jgrant@galleher.com**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

NoGS Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material

Nested Method / Product Threshold Substances listed within each material per threshold indicated per product

Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

Preparer Third party preparer, if not self-prepared by manufacturer

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.